## Approved For Release 2006/09/21: CIA-RDP78B04770A001200010113-4

INST	'ALL	ATION ENGINEERING DATA
4		Date form completed 8/22/69
		Tentative / Valid until 10/15/69
		Final data / X
	A. B. C.	Name of instrument: Twin-Stage, On-Line PI Comparator  Manufacturer: STAT  Contract number: Control #02228  Delivery date: Final: 9/29/69
		SICAL FEATURES Sub-assemblies:  1. Number of sub-assemblies: Two (2) 2. Largest sub-assembly: Weight 950 lbs; 48 " H x 48 " W x 34 " D 3. Heaviest sub-assembly: Weight 950 lbs; 48 " H x 48 " W x 34 " D
	В.	Assembled instrument:  1. Number of major components: Three (3)  2. Largest component: Weight 450 lbs; 29 " H x 48 " W x 34 " D  3. Heaviest component: Weight 450 lbs; 29 " H x 48 " W x 34 " D  4. Total floor space required after assembly, including maintenance access space. 4 Ft. 6 In. High x 9 Ft. 0 In. Wide x 7 Ft. 0 In. Deep.  5. Total weight of assembled instrument: 1200 lbs.
	C.	Type of base of mount: Flat; 3-point suspension; 4-point suspension X
	D.	Does the instrument have built-in mobility? Yes X No
	E.	Is the instrument particularly sensitive to vibration? Yes $\underline{X}$ No $\underline{\hspace{1cm}}$ Will the instrument generate vibration? Yes $\underline{\hspace{1cm}}$ No $\underline{\hspace{1cm}}$
	F.	Are any special or unusual tools or fixtures necessary or adviseable for the installation of the maintenance of this instrument? Yes No $\underline{X}$ . If "Yes," please describe:
	Α.	Electrical:  1. Voltage  2. Current  3. Frequency  4. Nr. of phases  5. Nr. of wires  6. Power required  7. Power factor  8. Type of outlet: Two prong ; three prong X; Twist lock ; Perm.  9. Type of ground: Building conduit X; Direct earth ground  Should the instrument be shielded, either from external electromagnetic signals or to prevent interference with other equipment? Yes No X  Tf "Yes," to what extent?

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B.	Air	conditioning:*			
	1.	Desired environment: Room air temperature of $70$ °F $\neq 0.5$ °F and relative humidity of $50$ % $\neq 5$ %.			
	2	Input Air: Is a direct connection necessary? Yes No N/A;			
	<u>~ •</u>	Adviseable? Yes No ; If "Yes," what is the connector type and			
		size? Recommended input air temperture F 7 F.			
		Relative humidity \$ / %. If input air must be filtered, what is			
		the maximum particle size in microns? What particle count?/			
•		eu. Pt.			
	3	Ournet Air. Is a direct connection to the return air duct necessary?			
	_	Yes No N/A. Adviseable? Yes No Connector type and size?			
		. Output air temperature F / F. Relative			
		humidity%. Output heatBTU/Hr. Flow ofCFM. Is			
		Yes No N/A. Adviseable? Yes No . Connector type and size?  Output air temperature of / oF. Relative  numidity 6 / 6. Output heat BTU/Hr. Flow of CFM. Is output air toxic? Yes No ; Noxious? Yes No .			
~					
0.	7	mbing: N/A Is water required? Yes No; PressurePSIG, flowGPM.			
	0	Erron of mother manifed.			
	_ •	Tap OF / OF Deionized OF / OF Tempered OF / OF Filtered OF / OF			
		Tempered OF / OF Filtered OF / OF			
		If filtered, give maximum permissible particle size in microns and the			
		maximum permissible count microns particles/cu. ft.			
	3.	Pipe required:			
		Galvanized Copper Size Stainless Steel Plastic Type of connector			
		Floor drain:  Calvanized drain?			
		Diameter of drain Galvanized drain? Plastic drain? Glass drain?			
	5	Plastic drain? Glass drain?  Are any chemical solutions used in the device? Yes No If			
	٠.	"Yes," state the nature of the solution(s), permissible temperature			
		range, flow rate in appropriate units and the filtration necessary for			
		each solution ·			
	ó.	Size of pipes and connectors			
D.	Com	pressed air: N/A			
	Is o	compressed air: N/A compressed air required? Yes No . Water free? Oil Free? e and size of connector? . Pressure PSIG. Flow in CFM			
	ТУР	imum , minimum, average			
	With A.	intum, minimum, average			
E.	Vac	aum: N/A			
	Is 7	vacuum required? Yes No . Pressure PSIA or (inches of			
	Is vacuum required? Yes No . Pressure PSIA or (inches of water) (millimeters of mercure). Displacement in CFM, maximum,				
	min	imum, average Type and Size of connectors			
_					
F.	Per	ipheral Devices: * I the instrument be connected to any peripheral devices such as a			
	WELL.	puter or data input or data output device? Yes X No . If "Yes,"			
	ors w	e, in detail, the nature of the connection to the peripheral device such			
	85	coaxial cable, multiple wire connector, etc.			

<sup>\*</sup> Refer to Utilities Notes on the following page.

## UTILITIES NOTES

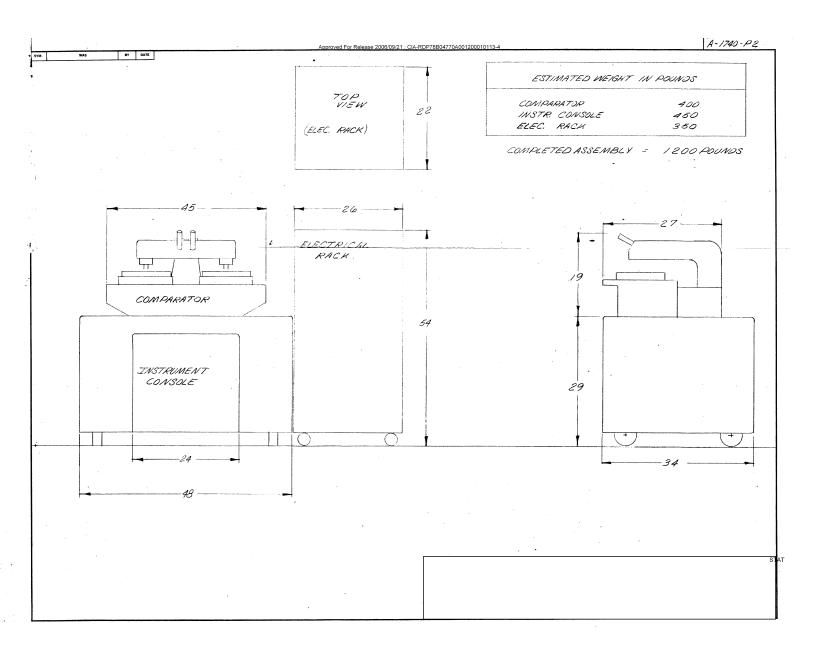
Item B

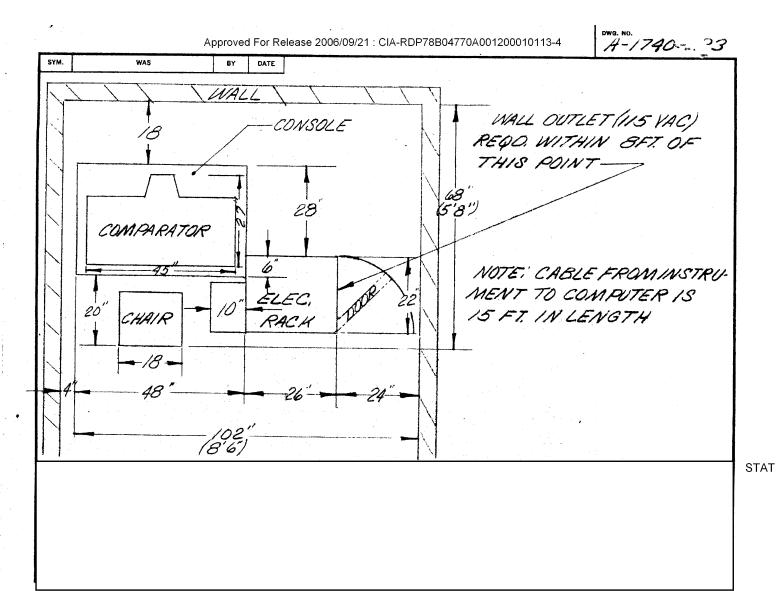
A Class 100 clean room is recommended as a desired environment for the instrument.

Item F

Instrument on line to central computer. (See customer's specification for description of connections.) Instrument to computer cable will terminate at Amphenol #126-127 plug furnished by customer.

Information provided by	
	STAT
Position Assistant Manager, Engineer	ring





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